

What Is Claimed Is:

1. A sensor system comprising:
 - a sensor for generating a measuring signal, the sensor having a power supply side; and
 - an analyzer connected to the sensor, the analyzer powering the sensor, the analyzer including an analyzer circuit, the analyzer circuit being situated on the power supply side of the sensor to analyze the measuring signal generated by the sensor.
2. The sensor system according to claim 1, wherein the sensor includes a metal housing directly connected to ground.
3. The sensor system according to claim 1, wherein the sensor includes a negative terminal connected to ground by a short lead.
4. The sensor system according to claim 1, wherein the sensor includes a negative terminal connected, via a lead, to a ground-side terminal of the analyzer, the ground-side terminal, in turn, being connected to ground.
5. The sensor system according to claim 1, wherein the analyzer includes an IC including a switch connected to ground integrated in it, the switch being connected to a negative terminal of the sensor.
6. The sensor system according to claim 1, wherein the analyzer circuit includes a measuring shunt situated in a supply line to measure the measuring signal conducted over the supply line.
7. The sensor system according to claim 1, wherein the analyzer circuit includes a comparator.
8. The sensor system according to claim 1, wherein the sensor is a wheel rotational-speed sensor, which includes at least one switched current source, whose

current signal is modulated onto a supply line.